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GA 15

guitar combo

th•mann
MUSIC IS OUR PASSION

user manual

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1 General notes

This user manual contains important information on safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device, include the manual for the next owner.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section provides an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
CAUTION!	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – high-voltage.

Warning signs	Type of danger
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended to be used for amplification and playback of signals from musical instruments with electromagnetic pickups. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety

DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.

DANGER!

Electric shock caused by short-circuit

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.

CAUTION!

Possible hearing damage

With loudspeakers or headphones connected, the device can produce volume levels that may cause temporary or permanent hearing impairment.

Do not operate the device permanently at a high volume level. Decrease the volume level immediately if you experience ringing in your ears or hearing impairment.

NOTICE!

Risk of fire

Do not cover the device nor any ventilation slots. Do not place the device near any direct heat source. Keep the device away from naked flames.

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

NOTICE!

Possible damages to tube power amps by loadless operation or improper impedance

Operating this device without connecting speakers or using an improper load impedance can damage the tube power amp. The device has no built-in load resistance.

Connect a speaker or separate load resistance with a suitable impedance to the amp's output before switching the amplifier on.

NOTICE!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

3 Features

Special features of this device:

- Class AB all tube amp
- 15 watt RMS output power
- 10" speaker
- 3-band EQ
- Three speaker outs
- Headphones and line outs
- Serial effects loop

4 Installation and starting up

Unpack and check carefully there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.

NOTICE!

Possible property damage by magnetic fields

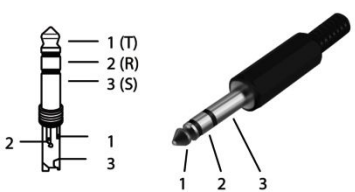
Loudspeakers produce a static magnetic field. Therefore, maintain an appropriate distance to devices that can be adversely affected or damaged by an external magnetic field.

4.1 Pin assignment

Phone sockets for signal in and outputs

Drawing and table indicate the pin assignment of 1/4" TS phone plugs to be used for the input, the line out, the effects loop and the speaker outlets.

1	Signal
2	Ground, shielding

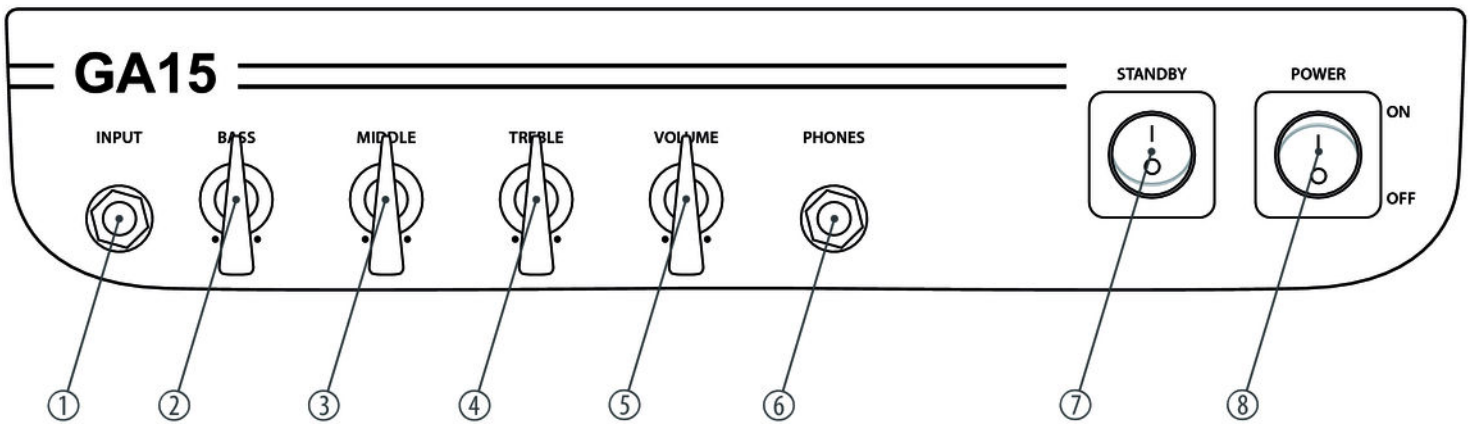


Drawing and table indicate the pin assignment of a 1/4" TRS phone plug to be used for the headphones output (PHONES).

1	Signal left channel
2	Signal right channel
3	Ground, shielding

5 Connections and operating elements

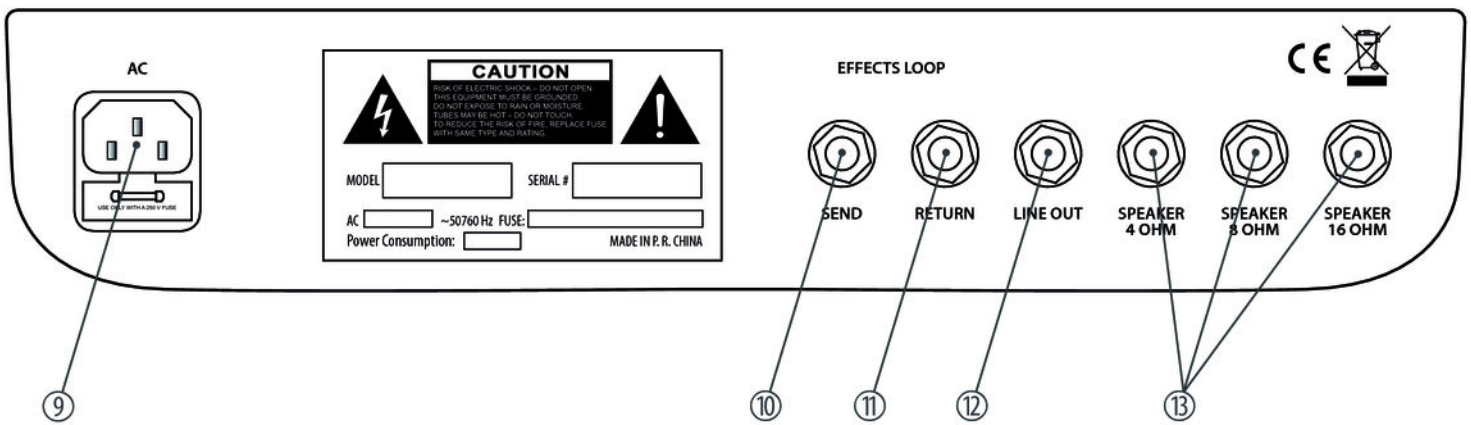
Front panel



1	**INPUT** 1/4" TS phone socket for the input signal from your instrument.
2	**BASS** Bass control of the 3-band EQ.
3	**MIDDLE** Mid control of the 3-band EQ.
4	**TREBLE** Treble control of the 3-band EQ.
5	**VOLUME** Volume control.
6	**PHONES** 1/4" TRS phone socket for headphones connection. Connecting headphones will mute the built-in speaker. To avoid disturbing noises, turn the volume control (5) all down before you plug the headphones in or out.

7	**STANDBY** Turns the plate voltage for the tubes on or off. When pausing playing or warming up the amp, the STANDBY switch should be in OFF position while the POWER switch is in ON position. This extends the life span of the tubes.
8	**POWER** Mains switch to turn the unit on or off.

Rear panel


AC
CAUTION
MODEL
SERIAL #
AC
~50760 Hz FUSE:
Power Consumption:
MADE IN P. R. CHINA
EFFECTS LOOP
SEND
RETURN
LINE OUT
SPEAKER 4 OHM
SPEAKER 8 OHM
SPEAKER 16 OHM
9
10
11
12
13

9	**AC** IEC chassis connector with fuse holder.
10	**SEND** Effect loop output. Connect the input of an external effects device to this output.
11	**RETURN** Effect loop input. Connect the output of an external effects device to this input. This is a serial effects loop, i.e., the effect signal is not mixed with the dry signal, but replaces it. This makes it particularly suitable to connect sound processors such as a compressor, that has to process the entire signal. If you connect a reverb unit or the like here, the effect proportion may be too high. In this case, adjust the ratio of dry to wet signal in the effects unit accordingly.

12	**LINE OUT** Signal line out.
13	**SPEAKER 4|8|16 OHM** 1/4" phone sockets for speaker outs. Connect either the built-in speaker hear (to the 8 ohm socket) or an external speaker box with an impedance of 4 Ω, 8 Ω or 16 Ω to the respective socket. If the device is operated without connected speaker load or with an improper load impedance, the power stage of the amp may be damaged.

6 Technical specifications

Output power	15 W (RMS)
Speakers	1 × 10" speaker, 8 Ω
Valves	Preamp: 2 × 12AX7
	Power stage: 2 × EL84
Operating voltage	AC 220 – 240 V ~ , 50/60 Hz
Power consumption	80 W
Dimensions (W × D × H)	425 mm × 390 mm × 255 mm
Weight	15.7 kg

7 Protecting the environment

Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Disposal of your old device

This device is subject to the European directive 2002/96/EC.

Do not dispose of the device with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.